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| b. Applicant(s)      | g. Disclaimer          | I. Print Fig.      | q. PTOL-85b    |  |  |  |  |  |  |  |
| c. Continuing Data   | h. Microfiche Appendix | m. Searched Column | r. Abstract    |  |  |  |  |  |  |  |
| d. PCT               | i. Title               | n. PTO-270/328     | s. Sheets/Figs |  |  |  |  |  |  |  |
| e. Domestic Priority | j. Claims Allowed      | o. PTO-892         | t. Other       |  |  |  |  |  |  |  |

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|                      | 00      | US-200/003/112 A/   | 10-18-2001                     | Frish of al.                                       |   |
|                      | PP      | US-7001/0031113 A1  | 10-18-2001                     | Frish et al.                                       |   |
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| Examiner<br>Initials | Cite<br>No.1 | Foreign Patent Document  Country Code3 -Number <sup>4</sup> - Kind Code <sup>3</sup> (# Innext) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>B</sup> |
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PTC/SB/08A (10-01)
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| WEOD           |               | N 0100       |         | Application Number     | 10/078 203        |
|                |               |              | LOSURE  | Filing Date            | February 19. 7002 |
| STATE          | MENT          | BY AP        | PLICANT | First Named Inventor   | S. Doliwala       |
|                |               |              |         | Art Unit               | 3653              |
| (USB           | as many s     | heets as ned | essary) | Examiner Name          | Not get Known     |
| Sheet          |               | of           | /       | Attorney Docket Number | 53/68-50030195    |

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| Examiner<br>Initials |   | Document Number Number-Kind Code <sup>2</sup> (# known | Publication Date | Name of Patentee or<br>Applicant of Cited Document                         | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |        |
|                      | A.                                      | us. 5, 451, 711  | 10-17-1915       | weber  |   |        |
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| FOREIGN PATENT DOCUMENTS |  |   |                                |  |   |       |  |  |
|--------------------------|--|---|--------------------------------|--|---|-------|--|--|
| Examiner<br>Initials     |  | Foreign Patent Document  County Code 3 - Number 4 - Kind Code 3 (F known)   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | Te.   |  |  |
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PTO/SB/08A (10-Q1)

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| INITOD                        | 88 A TIZ | M DIOO        |         | Application Number     | 10/078, 203      |  |  |
|                               |          |               | LOSURE  | Filing Date            | February 17.2002 |  |  |
| STATEMENT BY APPLICANT        |          |               |         | First Named Inventor   | S. Deliwala      |  |  |
| 4                             |          |               |         | Art Unit               | 3653             |  |  |
| (USC                          | as many  | sheets as nec | essary) | Examiner Name          | Not ust Known    |  |  |
| Sheet                         |          | of            | _/      | Attorney Docket Number | 53168-50030105   |  |  |

|                      |            |   | U.S. PATI                      | ENT DOCUMENTS                                      |   |
|----------------------|------------|---|--------------------------------|--|---|
| Examiner<br>Initials | No.1       | Document Number Number - Kind Code <sup>2</sup> (if known | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                      | 1          | us- 5 878, 175  | 03-02-1999                     | Sonoda et al.                                      | 7~  |
|                      | B          | US- 6.016, 374  | 01-18-2000                     | Adams of 41.                                       |   |
|                      | C          | US-6 206 7738   | 03-27-2001                     | Wickham of al.                                     |   |
|                      | D.         | us-6,221,5658/  | 04-24-2001                     | Jain et al   | Jan En  |
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| FOREIGN PATENT DOCUMENTS |               |  |   |  |   |                |  |  |
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| Examiner<br>initials     | Cite<br>No. 1 | Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>3</sup> (# Innown)   | Publication Date<br>MM-DD-YYYY          | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relovant Pessages<br>or Relevant Figures Appear | T <sup>4</sup> |  |  |
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